Canon
マクロフォトアダプター
MA-52, MA-55, MA-58
使用説明書

Canon
Macrophoto Adapters
MA-52, MA-55, MA-58
Instructions

Canon
Adaptateur de
photomacrographie
MA-52, MA-55 et MA-58
Notice d'emploi

Canon
Umkehrringe
MA-52, MA-55 und MA-58
Bedienungsanleitung

Canon
Adaptadores para
macrofotografía
MA-52, MA-55, MA-58
Instrucciones

1．位置決めピン
2．赤点
3．締付けリング
4．レンズ取付けねじ

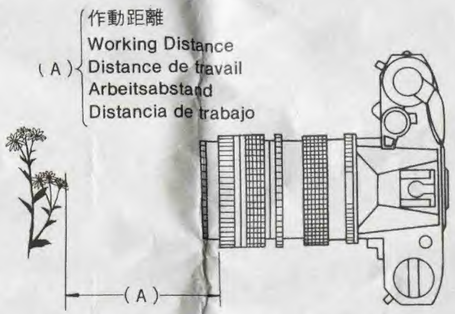
1. Positioning Pin
2. Red dot
3. Mount Ring
4. Lens Attachment Screw (to Filter Thread)

1. Broche de positionnement
2. Repère rouge
3. Bague de montage
4. Filetage de fixation sur l'objectif (filetage pour filtres)

1. Paßstift
2. Roter Punkt
3. Bajonettring
4. Objektivanschlußgewinde (an Filtergewinde)

1. Guía de posicionamiento
2. Punto rojo
3. Aro de montura
4. Rosca de ajuste al objetivo (a la rosca de filtro)

5．マクロフード
5. Macro Hood
5. Pare-soleil macro
5. Makroblende
5. Parasol para macrofotografía



The Macrophoto Adapter is designed to attach a lens in reverse to a Canon single lens reflex camera when shooting at abnormally close distances. It may be attached either directly to the camera or to other accessories, such as extension tubes, a vari-extension tube or a bellows.

Photographic lenses generally are designed to produce optimum results at infinity. This implies a certain loss of image quality when the lens is used at close distances. Reversing a lens, however, particularly a standard lens or specific wide-angle lenses of retrofocus design, improves lens performance at close focusing distances and provides greater image magnification. For this reason the use of a macrophoto adapter is especially suited to photomacrography and is recommended whenever the reproduction ratio exceeds 1:1.

The Macrophoto Adapter is available in the diameters of 52 mm, 55 mm and 58 mm, and the diameter is included in its name. Use only the Macrophoto Adapter which corresponds to the filter thread diameter of the lens.

The use of a macrophoto adapter requires stopped-down metering and, unless using the Canon Macro Auto Ring and Double Cable Release (optional), manual diaphragm control.

Connections and Settings

1. The appropriate macrophoto adapter screws directly into the filter thread at the front of the lens.
2. To attach the adapter to a Canon SLR body, first align the red dot on the adapter's ring with the positioning pin at the rear of the adapter. Then align this red dot with the red dot on the camera mount, push the adapter in lightly and turn the mount ring clockwise until it is tight. In this manner, the adapter can also be attached onto other accessories such as an Auto Bellows or Extension Tube M.
3. When a lens is reverse-mounted on a macrophoto adapter, none of the coupling mechanisms at the rear of the lens will function. Automatic diaphragm coupling is still possible with an FD or FL lens by mounting the Canon Macro Auto Ring onto the rear of the lens and attaching the Double Cable Release. These accessories are optionally available.
4. If the Canon Macro Auto Ring and Double Cable Release are not used, it is necessary to set the lens for manual diaphragm control. With an FD lens, this can be done by attaching the Macro Hood as follows:

Align the circle on the macro hood with the red dot at the rear of a new FD lens (lens without chrome mount ring). Pushing lightly down on the macro hood, turn it slightly counterclockwise until it fits into the lens and the arrow on the hood is aligned with the red dot on the lens. Now turn the hood clockwise until it stops and the lens release button pops out.

With an FD lens which has a chrome mount ring, it is necessary to first set the lens for manual diaphragm control. Simply push the automatic aperture lever at the rear of the lens counterclockwise until it automatically locks. Now align the arrow on the macro hood with the red dot on the chrome mount ring and turn the chrome mount ring counterclockwise until it stops.

To remove the macro hood from a new FD lens, turn the hood counterclockwise, while pressing the lens release button, until it stops. It can be removed from an FD lens which has a chrome mount ring in the same way a rear lens cap is removed. To set an FL lens for manual diaphragm control, set its A-M ring to "M". The macro hood need not be attached.

Focusing

Using the tables on the reverse, set the camera roughly according to the working distance which corresponds to the desired magnification.

Then, if a bellows is used, adjust the lens panel to the required distance on the bellows scale.

If a vari-extension tube is used, adjust the lens using the focusing ring on the tube. Finally, focus precisely through the viewfinder with the lens at maximum aperture. The lens' focusing ring is useless.

If exact magnification is not necessary, simply adjust the camera position until the subject is sharp.

Exposure

When using a camera with through-the-lens (TTL) metering, including all recent Canon SLRs, no exposure correction is necessary. The exposure reading is correct. If using a separate exposure meter, an incident light-reading exposure meter is recommended. In this case, exposure compensation is necessary using the exposure factor.

Shooting

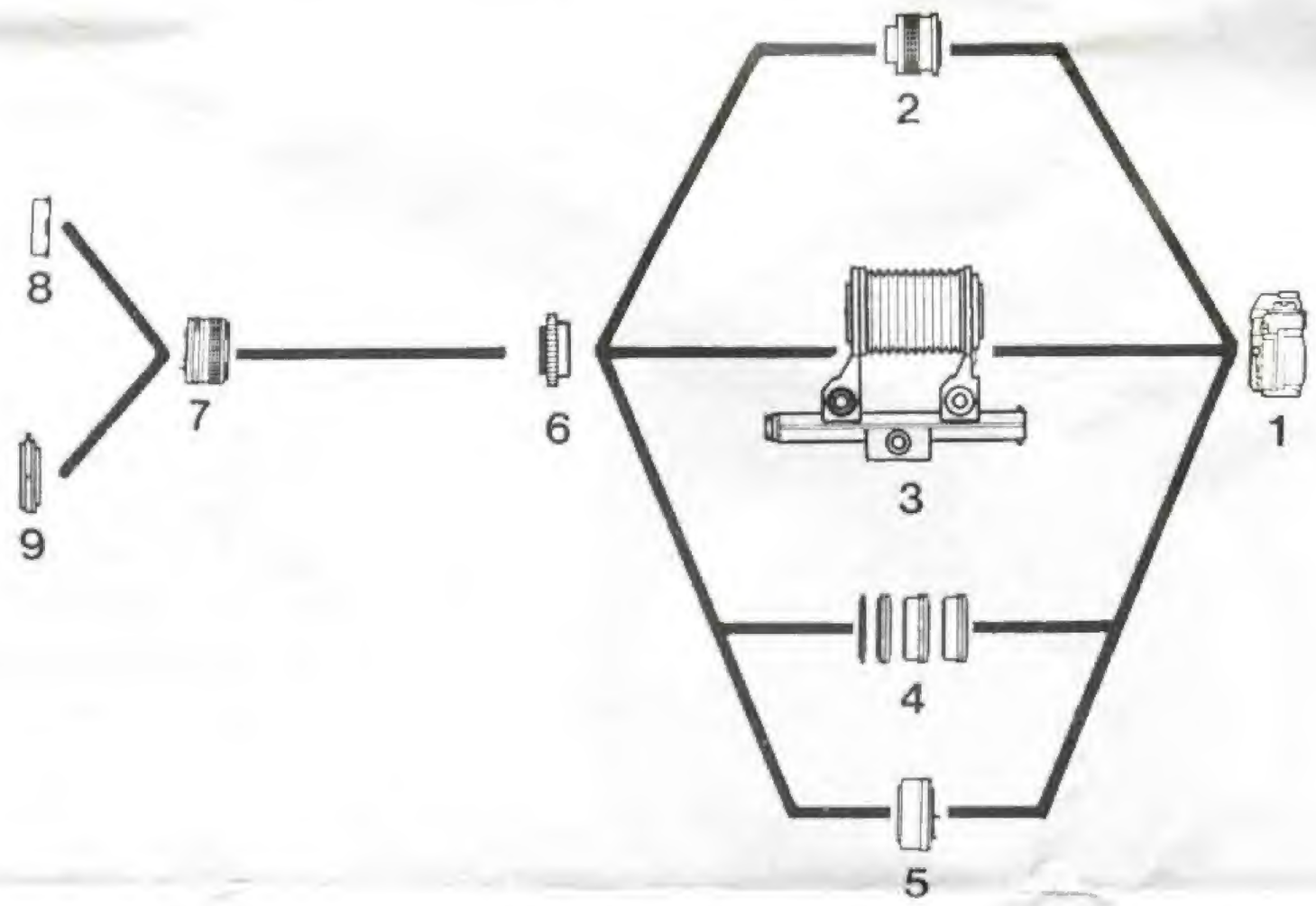
The tables on the reverse provide image magnifications and other data for the Macrophoto Adapter.

1. Refer to the table. Decide a magnification or a field of view.
2. Read the corresponding shooting distance and set the camera for that distance.
3. Focus precisely.
4. Set the camera for stopped-down metering, turn the lens aperture ring to the desired f/stop and meter.
5. Release the shutter.

Hints and General Precautions in Close-up and Photomacrography

1. It is recommended to use a tripod and a cable release to prevent camera movement which is apt to result in undesired image blur.
2. Close the diaphragm down to at least f/8 for depth of field becomes very shallow at close focusing distances. Make any necessary exposure corrections by reducing the shutter speed when possible rather than opening the aperture.
3. Depending on the subject's tone, some exposure correction may be necessary. If the subject is composed of many white tones, increase the exposure. Decrease the exposure if the subject has many dark tones. In general close-up photography, bracketing may be worthwhile. To bracket, take an extra shot each of about one step higher and one step lower than the recommended exposure.

Subject to change without notice.



1.カメラ
2.バリエクステンションチューブ
3.ベローズ
4.エクステンションチューブM
5.エクステンションチューブFD
6.マクロフォトアダプター
7.レンズ
8.マクロフード
9.マクロオートリング
（ダブルケーブルレリーズ併用）

1. Camera Body
2. Vari-Extension Tube
3. Bellows
4. Extension Tubes M
5. Extension Tube FD
6. Macrophoto Adapter
7. Lens
8. Macro Hood
9. Macro Auto Ring
(with Double Cable Release)

1. Boîtier
2. Tube-allonge à champ variable
3. Soufflet
4. Tubes-allonge M
5. Tube-allonge FD
6. Adaptateur de photomacrographie
7. Objectif
8. Pare-soleil macro
9. Bague macro automatique
(avec déclencheur double)

1. Kameragehäuse
2. Vario-Zwischenring
3. Balgeneinstellgerät
4. Zwischenringe M
5. Zwischenring FD
6. Umkehrring
7. Objektiv
8. Makroblende
9. Automatik-Makroring
(mit Doppeldrahtauslöser)

1. Cuerpo de la cámara
2. Tubo de extensión variable
3. Fuelle
4. Tubos de extensión M
5. Tubo de extensión FD
6. Adaptador para macrofotografía
7. Objetivo
8. Parasol para macrofotografía
9. Aro automático de macrofotografía
(con disparador de cable doble)

Shooting Data for Lens Reversed on Macrophoto Adapter with Vari-Extension Tube M15—25

	レンズ名 Lens	倍　率 Magnification	画　界 Field of View (mm/ in)	作動距離 Working Distance (mm/in)
	FD24mm F2 **FD24mm f/ 2**	2.94—3.34	8×12—7×11 (5/ 16×1/ 2—1/ 4×7/ 16)	45—44 (1-3/ 4—1-3/ 4)
	FD24mm F2.8 **FD24mm f/ 2.8**	2.84—3.25	8×13—7×11 (5/ 16×1/ 2—1/ 4×7/ 16)	45—44 (1-3/ 4—1-3/ 4)
	FD28mm F2 **FD28mm f/ 2**	2.46—2.81	10×15—9×13 (3/ 8×9/ 16—3/ 8×1/ 2)	48—47 (1-7/ 8—1-7/ 8)
	FD28mm F2.8 **FD28mm f/ 2.8**	2.38—2.73	10×15—9×13 (3/ 8×9/ 16—3/ 8×1/ 2)	49—47 (1-15/ 16—1-7/ 8)
☆	FD28mm F3.5S.C. **FD28mm f/ 3.5 S.C.**	2.47—2.81	10×16—9×13 (3/ 8×9/ 16—3/ 8×1/ 2)	48—47 (1-7/ 8—1-7/ 8)
	FD35mm F2 **FD35mm f/ 2**	1.80—2.08	13×20—12×17 (1/ 2×13/ 16—1/ 2×11/ 16)	56—54 (2-3/ 16—2-1/ 8)
	FD35mm F2.8 **FD35mm f/ 2.8**	1.75—2.03	14×21—12×18 (9/ 16×13/ 16—1/ 2×11/ 16)	57—54 (2-1/ 4—2-1/ 8)
☆	FD35mm F3.5S.C. **FD35mm f/ 3.5 S.C.**	1.89—2.17	13×19—11×17 (1/ 2×3/ 4—7/ 16×11/ 16)	55—53 (2-3/ 16—2-1/ 16)
	FD50mm F1.4 **FD50mm f/ 1.4**	1.08—1.27	22×33—19×28 (7/ 8×1-5/ 16—3/ 4×1-1/ 8)	84—77 (3-5/ 16—3-1/ 16)
	FD50mm F1.8 **FD50mm f/ 1.8**	0.87—1.07	28×41—23×34 (1-1/ 8×1-5/ 8—7/ 8×1-5/ 16)	96—85 (3-3/ 4—3-3/ 8)
☆	FD55mm F1.2S.S.C. **FD55mm f/ 1.2 S.S.C.**	1.20—1.38	20×30—17×26 (13/ 16×1-3/ 16—11/ 16×1)	83—77 (3-1/ 4—3-1/ 16)
	FD50mm F3.5 マクロ **FD50mm f/ 3.5 Macro**	1.14—1.33	21×32—18×27 (13/ 16×1-1/ 4—11/ 16×1-1/ 16)	82—76 (3-1/ 4—2)
☆	FD100 mm F4S.C. マクロ **FD100mm f/ 4 S.C. Macro**	0.17—0.27	144×216—90×135 (5-11/ 16×8-1/ 2—3-9/ 16×5-5/ 16)	640—414 (25-3/ 16—16-5/ 16)

Shooting Data for Lens Reversed on Macrophoto Adapter with Vari-Extension Tube M30—55

レンズ名 Lens	倍率 Magnification	画界 Field of View (mm/ in)	作動距離 Working Distance (mm/in)
FD24mm F2 **FD24mm f/ 2**	3.55—4.57	7×10—5×8 (1/ 4×3/ 8—3/ 16×5/ 16)	44—42 (1-3/ 4—1-5/ 8)
FD24mm F2.8 **FD24mm f/ 2.8**	3.45—4.47	7×10—5×8 (1/ 4×3/ 8—3/ 16×5/ 16)	44—42 (1-3/ 4—1-5/ 8)
FD28mm F2 **FD28mm f/ 2**	2.99—3.87	8×12—6×9 (5/ 16×1/ 2—1/ 4×3/ 8)	46—44 (1-13/ 16—1-5/ 8)
FD28mm F2.8 **FD28mm f/ 2.8**	2.90—3.78	8×12—6×10 (5/ 16×1/ 2—1/ 4×3/ 8)	46—44 (1-13/ 16—1-5/ 8)
☆ FD28mm F3.5S.C. **FD28mm f/ 3.5 S.C.**	2.47—2.81	10×15—9×13 (3/ 8×9/ 16—3/ 8×1/ 2)	48—47 (1-7/ 8—1-7/ 8)
FD35mm F2 **FD35mm f/ 2**	2.22—2.92	11×16—8×12 (7/ 16×5/ 8—5/ 16×1/ 2)	53—49 (2-1/ 16—1-15/ 16)
FD35mm F2.8 **FD35mm f/ 2.8**	2.17—2.88	11×17—8×13 (7/ 16×11/ 16—5/ 16×1/ 2)	53—49 (2-1/ 16—1-15/ 16)
☆ FD35mm F3.5S.C. **FD35mm f/ 3.5 S.C.**	2.31—3.02	10×16—8×12 (3/ 8×9/ 16—5/ 16×1/ 2)	52—48 (2-1/ 16—1-7/ 8)
FD50mm F1.4 **FD50mm f/ 1.4**	1.37—1.85	18×26—13×19 (11/ 16×1—1/ 2×3/ 4)	74—64 (2-15/ 16—2-1/ 2)
FD50mm F1.8 **FD50mm f/ 1.8**	1.16—1.65	21×31—15×22 (13/ 16×1-1/ 4—9/ 16×7/ 8)	81—68 (3-3/ 16—2-11/ 16)
☆ FD55mm F1.2S.S.C. **FD55mm f/ 1.2 S.S.C.**	1.47—1.92	16×25—12×19 (5/ 8×1—1/ 2×3/ 4)	74—65 (2-15/ 16—2-9/ 16)
FD50mm F3.5 マクロ **FD50mm f/ 3.5 Macro**	1.43—1.91	17×25—13×19 (11/ 16×1—1/ 2×3/ 4)	73—64 (2-7/ 8—2-1/ 2)
☆ FD100mm F4S.C. マクロ FD100mm f/ 4 S.C. Macro	0.32—0.57	76×114—42×64 (2×4-1/ 2—1-5/ 8×2-1/ 2)	354—214 (13-15/ 16—8-7/ 16)

●締付けリング付きFDレンズの場合も上表に準じてください．但し，☆印は締付けリング付きFDレンズのデータです．

The data above is usable for those FD lenses which have a chrome mount ring as well as those that lack a chrome mount ring.
☆ The data above is usable for those FD lenses which have chrome mount ring.

Canon

キヤノン株式会社
キヤノン販売株式会社

〒108 東京都港区三田 3 －11－28
カメラ相談室 (03) 455-9353

CANON INC.

11-28, Mita 3-chome, Minato-ku, Tokyo 108, Japan

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